

Figure 1 – The basic block diagram of a single-element controlled parasitic antenna (CPA).

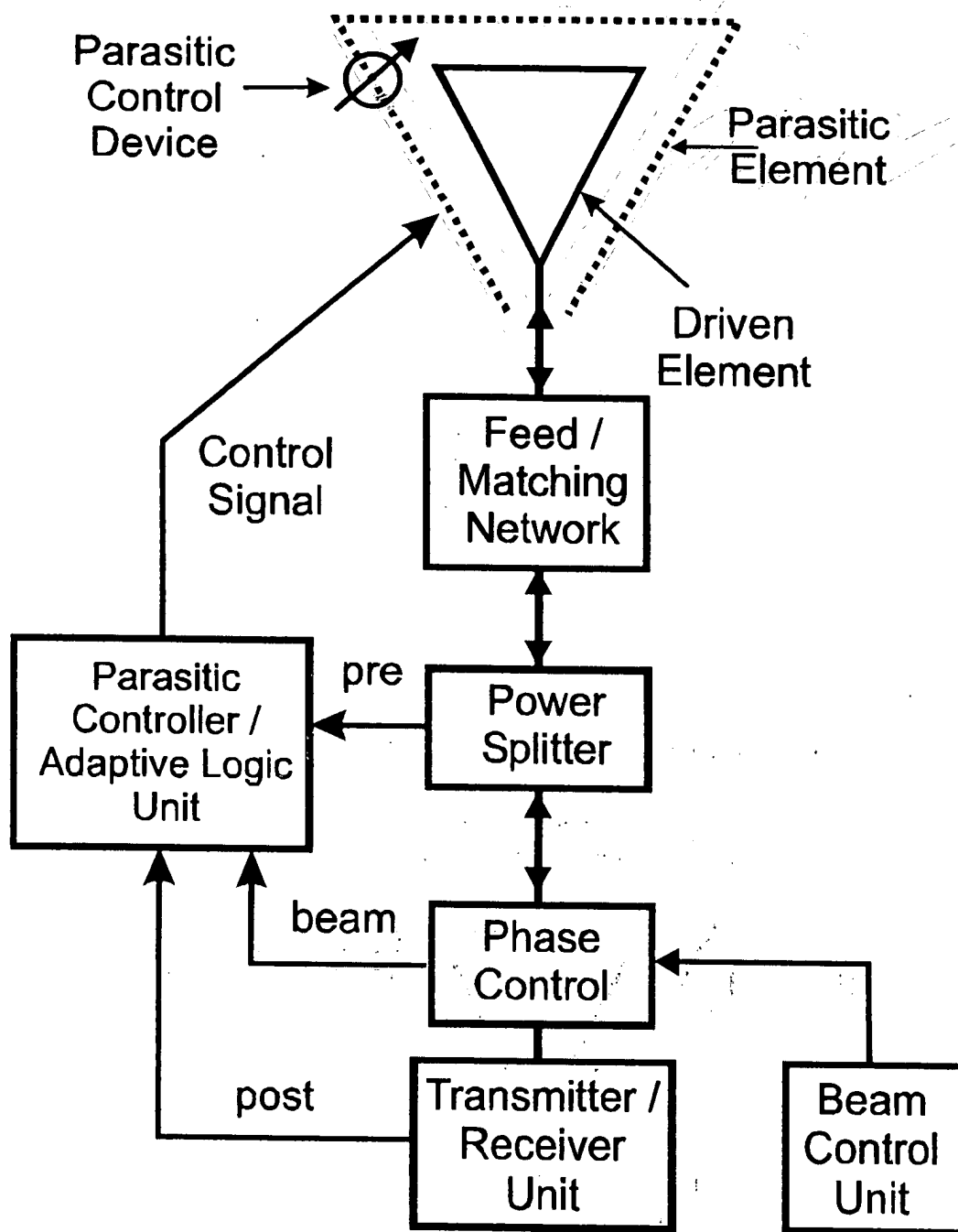


Figure 2 - General block diagram for a single-element controlled parasitic antenna (CPA) element that might be used as an individual element in a phased array.

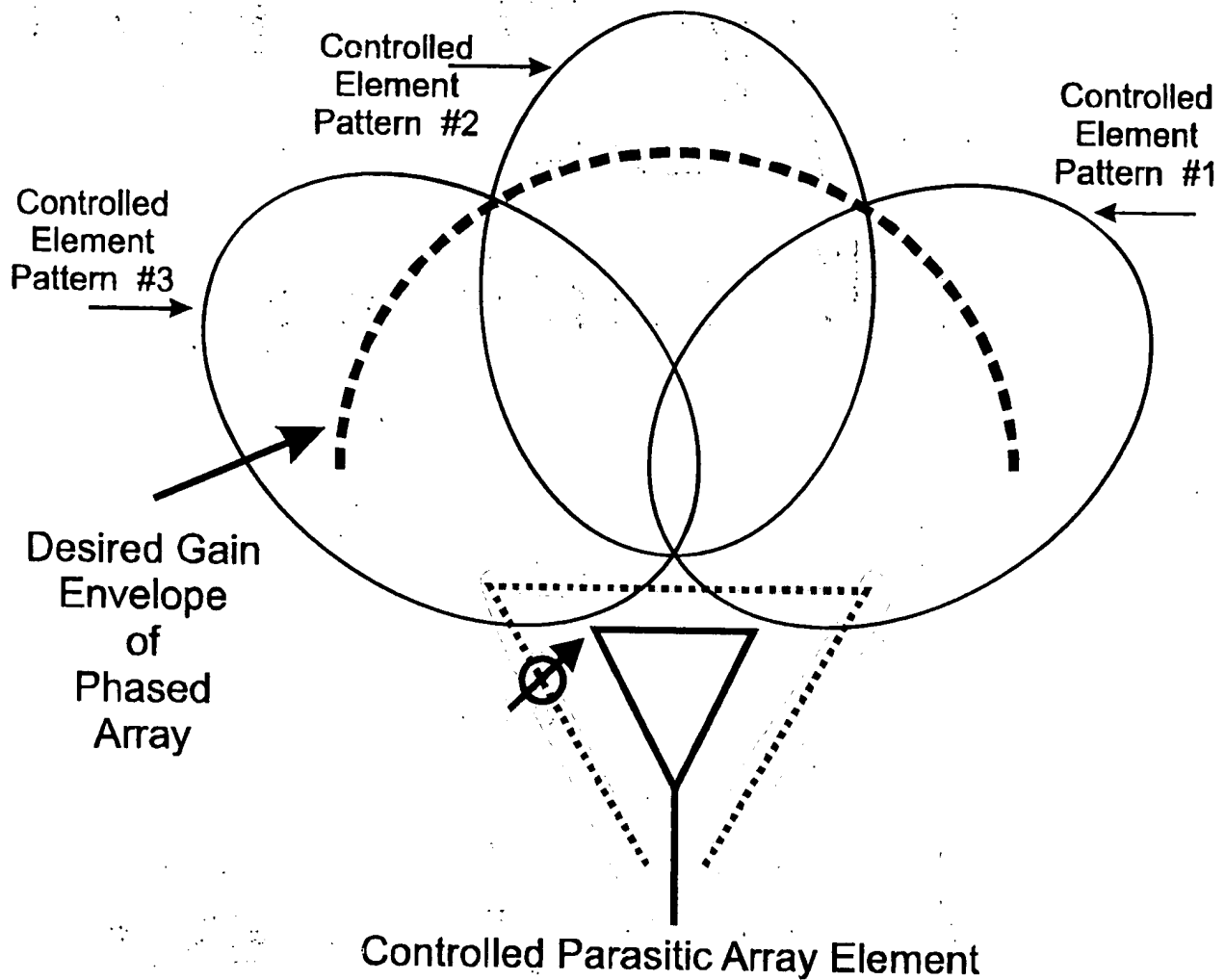


Figure 3 – The general representation of how the element pattern of an individual element in a phased array is controlled so the phased array can be scanned to that direction.

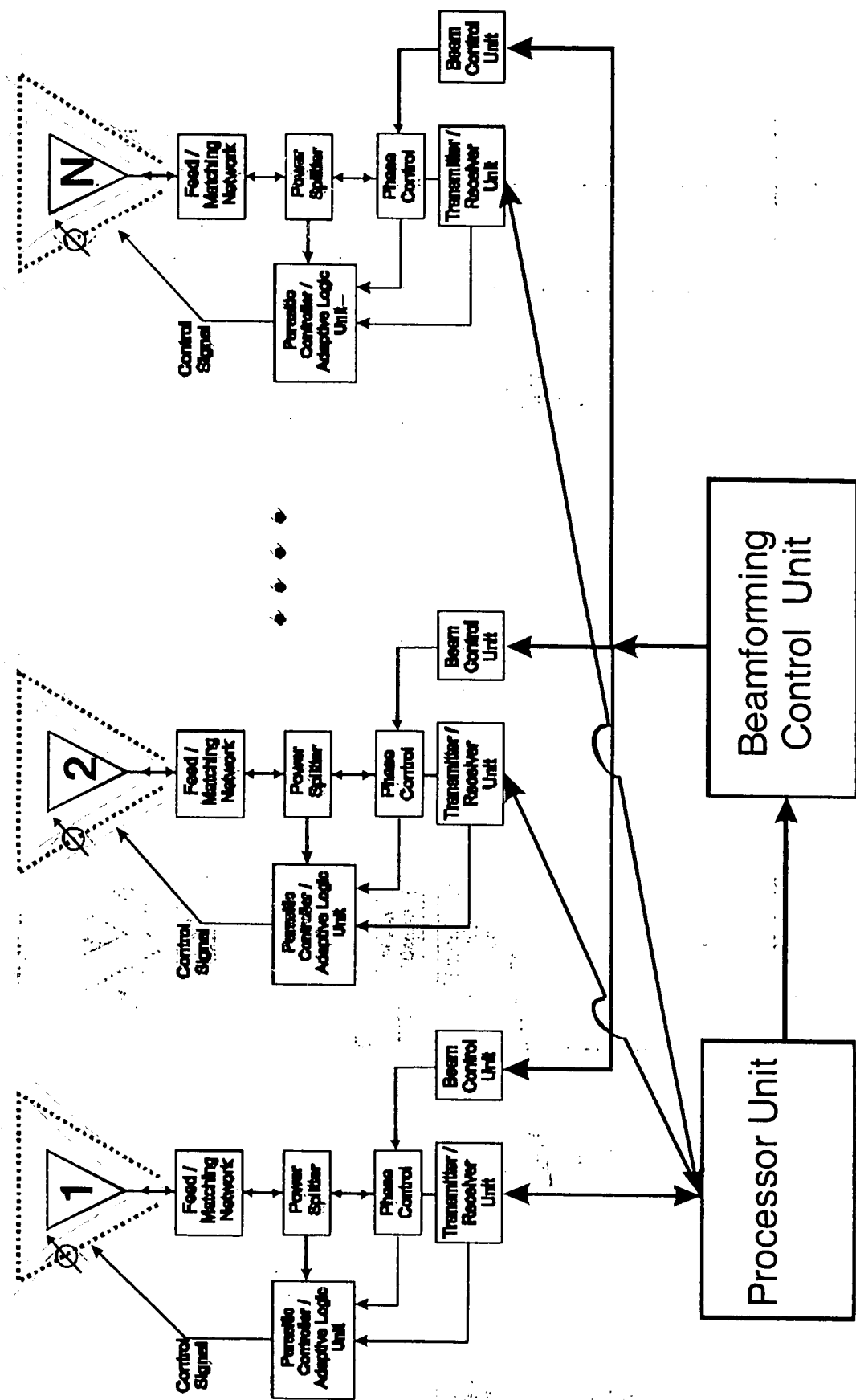


Figure 4 – Simplified phased array concept made up of N parasitically controlled elements.

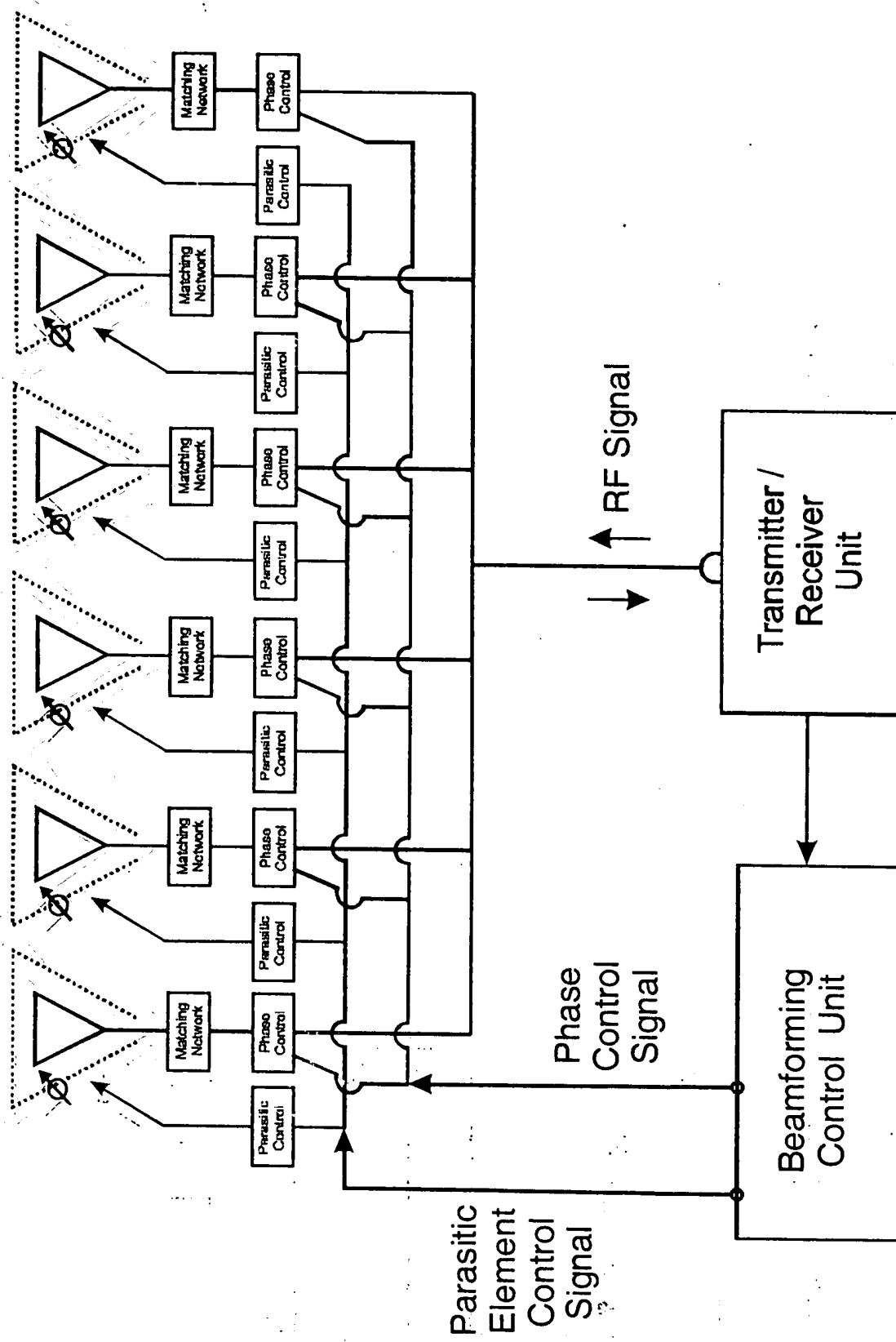


Figure 5 – Simplified phased array concept made up of parasitically controlled elements all controlled from a single beamforming control unit and corporate fed into a transmit / receive module. This can also represent a single subarray for a larger array.

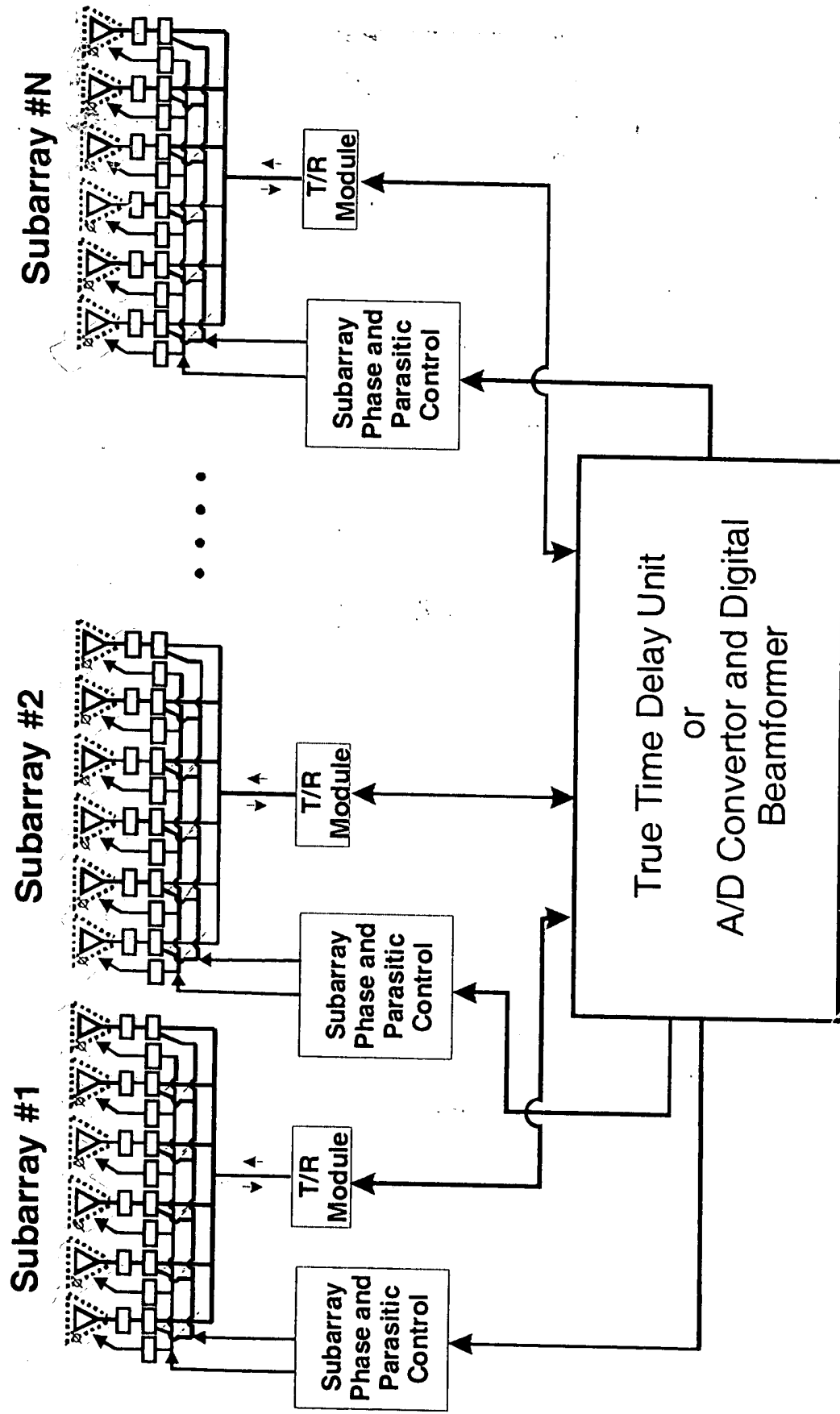


Figure 6 – Simplified phased array concept made up of parasitically controlled elements in N subarrays.